

20020611.qrp v02_n583.qrl.20020611

Date: Tue, 11 Jun 2002 19:03:03 EDT
From: qrp-1@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: QRP-L digest 2583

QRP-L Digest 2583

Topics covered in this issue include:

- 1) [127954] Thank You
by <brad.mugleston@attbi.com>
- 2) [127955] Re: Vertical Radial Trenching Tool? B&D 'Edge Hog'
by "tmyers" <tmyers@AcademicPlanet.com>
- 3) [127956] Knightlites Field Day
by Paul Stroud <aa4xx@ipass.net>
- 4) [127957] Re: NiMH battery deal and the dreaded "rechargeable alkalines"
by Doug Simpson <dsimpson@darkwing.uoregon.edu>
- 5) [127958] Re: welding wire for antenna wire
by JD Delancy <W1JD@drix.net>
- 6) [127959] Balanced feedline antenna tuner
by "Karl F. Larsen" <k5di@zianet.com>
- 7) [127960] QRP QRV from Philmont Scout Ranch
by n5ib@juno.com
- 8) [127961] Re: NiMH battery deal and the dreaded "rechargeable alkalines"
by "Mike Yetsko" <myetsko@insydesw.com>
- 9) [127962] FS: 30 Meter Warbler Transceiver kit
by Dave Redfearn <n4elm@attbi.com>
- 10) [127963] FS: MFJ Cub 40M CW Transceiver
by Dave Redfearn <n4elm@attbi.com>
- 11) [127964] Re: Balanced feedline antenna tuner
by "Tim, N9PUZ" <n9puz@arrl.net>
- 12) [127965] Re: QRP QRV from Philmont Scout Ranch
by "Tim, N9PUZ" <n9puz@arrl.net>
- 13) [127966] welding wire for antenna wire
by Dick Ballard <ballardr@att.net>
- 14) [127967] SOLD--FS: 30 Meter Warbler Transceiver kit
by Dave Redfearn <n4elm@attbi.com>
- 15) [127968] Mods...SMK-1
by "johngabbard" <johngabbard@usintouch.com>
- 16) [127969] Computer out!!
by Bruce Rattray <rattray@gpfn.sk.ca>
- 17) [127970] Re: Mods...SMK-1
by Phil Wheeler <w7ox@earthlink.net>
- 18) [127971] Re: Balanced feedline antenna tuner
by "Mike Malone" <mmalone@worldlogon.com>
- 19) [127972] RE: Balanced feedline antenna tuner (more BLT...)

- by Conrad Weiss <radman@best.com>
- 20) [127973] Re: Balanced feedline antenna tuner
by "George, W5YR" <w5yr@att.net>
- 21) [127974] Re: Vertical Radial Trenching Tool? B&D 'Edge Hog'
by "Bruce Shaw" <ag4ny@ivwnet.com>
- 22) [127975] FS: NorCal 20, OHR 100, Bencher BY-2
by "Trung Q. Nguyen" <viethoc@dslextrreme.com>
- 23) [127976] More Shack Cleaning
by BOB MASON <skydive@usa.net>
- 24) [127977] Copperweld & MIG wire demystified.... [longish]
by Conrad Weiss <radman@best.com>
- 25) [127978] OT - Tropo Ducting In South Carolina
by Majority Mike Capt 609 CPS/DOXE <mike.majority@SHAW.AF.MIL>
- 26) [127979] Re: Balanced feedline antenna tuner
by "Karl F. Larsen" <k5di@zianet.com>
- 27) [127980] Re: Vertical Radial Trenching Tool? B&D 'Edge Hog'
by George Fremin III - K5TR <geoiiii@kkn.net>
- 28) [127981] Now Showing - The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 29) [127982] Re: QRP QRV from Philmont Scout Ranch
by Tim ORourke <TORourke@KaiserFT.com>
- 30) [127983] OT: Grid Squares
by wa0goz@arrl.net
- 31) [127984] Re: Knightlites Field Day
by Tim ORourke <TORourke@KaiserFT.com>
- 32) [127985] Re: Grid Squares
by "Rod N0RC" <rod@n0rc.us>
- 33) [127986] Re: Grid Squares
by Dave Sjolín <sjolin@swbell.net>
- 34) [127987] Arkiecon Parts Vendor Comes To Iowa QRP Convention
by "Aartec" <aartec@dwx.com>
- 35) [127988] Re: Balanced feedline antenna tuner
by "George, W5YR" <w5yr@att.net>
- 36) [127989] DX "fox"
by "Juanjo Pastor" <ec5aca@wanadoo.es>
- 37) [127990] FS: 2N5179s
by "Craig A. Ferris" <cferris@aeronix.com>
- 38) [127991] Re: QRP QRV from Philmont Scout Ranch
by "Michael G. Heitmann" <mikeheit@aol.com>
- 39) [127992] UNBUILT SMK-1 KITS WANTED
by "johngabbard" <johngabbard@usintouch.com>
- 40) [127993] Summer Fox Hunt
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 41) [127994] qrp tuner kit
by "johngabbard" <johngabbard@usintouch.com>
- 42) [127995] FT-100D QRP ??
by BOB MASON <skydive@usa.net>
- 43) [127996] Help! I need some back-up

by Nils R Young <nilsbull@juno.com>

Date: Mon, 10 Jun 2002 17:33:04 -0600 (MDT)
From: <brad.mugleston@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127954] Thank You
Message-ID: <Pine.LNX.4.33.0206101725340.2048-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got home from work today and there was a small box in the mail for me. I didn't recognize the name on the return address but inside I did recognize the two 9 pin tube sockets and the 7551 tube - the missing parts for the Altoobs transmitter I am wanting to build.

Thank you Steve and everyone else on this list that have been so sharing over the last 8-9 years.

Now to see if I can redesign the circuit board to fit in the heart shaped Altoids tin I have.

72's

de KI00T, Brad

Date: Tue, 11 Jun 2002 00:02:28 -0500
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <Steve.Lawrence@ITWFEG.COM>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127955] Re: Vertical Radial Trenching Tool? B&D 'Edge Hog'
Message-ID: <004501c21105\$31171460\$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The best way I know of burying radials is to use a machete to cut the slot. I use both hands, one on the handle and one on the other end, and rock it into the ground. Remove machete and insert wire. This works real good here, but it may not work very well if you have a bunch of service rocks. We don't even have rocks here..

I saw a radial burying plow in ON4UN's book on "Low Band DXing." Never

tried that one, but I have buried many in my back yard.

The method was learned from a phone company employee I knew. It works and it is fast.

73

KQ5U, Terry

Spring, Texas

----- Original Message -----

From: Steve Lawrence <Steve.Lawrence@ITWFEG.COM>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, June 10, 2002 13:25

Subject: Vertical Radial Trenching Tool? B&D 'Edge Hog'

> Interesting Black & Decker electric lawn edging tool in my local Lowes
> home warehouse store... box advertises the "Edge Hog" as having two
modes:

> traditional lawn edger, and a lawn trenching tool. The pictures show
a

> happy homeowner installing a lighting system burying the cables in
small

> slit trenches cut by this tool.

>

> Naturally, I thought.... "buried radials for my planned vertical
antenna".

>

> Anyone have experience with this power tool? Any good shortcuts to
> burying radials for a vertical antenna system?

>

> 73,

> Steve

> aa8af

>

>

Date: Mon, 10 Jun 2002 20:18:10 -0400

From: Paul Stroud <aa4xx@ipass.net>

To: klqrp@knightlites.org

Cc: qrp-l@lehigh.edu

Subject: [127956] Knightlites Field Day

Message-ID: <3D0541C2.A163AC6B@ipass.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Fellow QRP'ers,

The KnightLites will be returning to Black Balsam Knob for FD 2002. Black Balsam is located in the "Shining Rock Wilderness Area" of Pisgah National Forest, and is accessed via the Blue Ridge Parkway (mile marker 420 SW of Asheville, NC).

We would like to invite our QRP friends to join us for this fun event. Field Day is Sat/Sun, June 22-23.

So far, the following folks are planning on participating in KL FD2002:

WJ4P	Randy	80M CW/SSB	+ VHF
WB40FT	John		
KD4PBJ	Chris	10/15/20M SSB	+ VHF
N7RI	Ralph	40M SSB	
AB4PP	J.P.		
WF4I	Derek	20M CW	
AA4XX	Paul	40M CW	

Band captains invite fellow operators to share in the operating and logging for their bands of interest.

There has been considerable interest expressed in operating from the Summit of Black Balsam Knob--the same site we operated from last year. Wx permitting, we will operate from the summit; Otherwise, we'll operate from the Sam Knob meadow area. AB4PP and WF4I will make the final site selection upon their arrival at the site on June 21.

Webmeister N4HAY has posted pics from FD2001 at http://www.knightlites.org/Knightlite/field_day2001.htm

AB4PP and WF4I are monitoring the rockslide status which is currently blocking a stretch of the Blue Ridge Parkway between Asheville and Black Balsam. An alternate suggested route will be sent out via the KL reflector if the rockslide is not cleared prior to FD weekend.

KL FD 2002 is open to all QRP'ers and their families and friends. This will be a fun event. Please join us if you can!

72, Paul AA4XX

For additional information, you may contact aa4xx@ipass.net.

Date: Mon, 10 Jun 2002 17:21:44 -0700 (PDT)
From: Doug Simpson <dsimpson@darkwing.uoregon.edu>
To: David Hinerman <WD8CIV@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127957] Re: NiMH battery deal and the dreaded "rechargeable alkalines"
Message-ID: <Pine.GS0.4.44.0206101709091.9233-100000@darkwing.uoregon.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In "defense" of rechargeable alkalines -- I'd heard they didn't measure up since they don't charge up nearly as many times as NiMH, etc. and so discounted their value until....

It was pointed out to me that the advantage of alkalines are they hold their charge for a long time -- so NiMH cells in the flashlight you keep in your car may be nearly dead in 6 months, but the rechargeable alkalines would still have nearly a full charge.

Where does this lead us? Your spare room, filled with powerstrips and a rack of chargers -- red and green lights all blinking merrily. "Let's see, THIS unique battery goes in THAT unique charger there and has to be removed within 18 to 22 hours or Ka-BOOM!"

-Doug Simpson, WA7SKY
(in and around Eugene, OR)

On Mon, 10 Jun 2002, David Hinerman wrote:

> Are those the so-called rechargeable alkalines?
>
> Dave
>
> At 11:26 AM 6/10/2002 -0500, you wrote:
> >Got one and they are well worth the \$\$\$. Works great!
> >
> >73/72/oo, George W5YR - the Yellow Rose of Texas
> >Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> >Amateur Radio W5YR, in the 56th year and it just keeps getting better!
> >QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
> >Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437
> >
> >
> >Ray Sills wrote:
> > >
> > > Hi Gang:
> > >
> > > Today, while shopping in my local Sam's Club... I found an "Energizer"
> > > rechargeable AA cell set (8) with a plug-in wall charger. The cells are

> > > rated at 1700 mah. It appears that you can only charge 4 cells at a time
> > > with the charger, however.
> > >
> > > Anyway, the price was \$20.. which looks like a fair deal to me.
>
>
> -----
> "You can fool some of the people all of the time. That's enough to make a
> living." - Lance Burton
> -----
> Dave Hinerman
> WD8CIV@worldnet.att.net
>

Date: Mon, 10 Jun 2002 20:22:47 -0400
From: JD Delancy <W1JD@drix.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127958] Re: welding wire for antenna wire
Message-ID: <3D0542D7.B574BF8@drix.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Alternate suggestion, check out electric fence wire. 14 gauge stuff, 1/4 mile of it on a roll, for about 15 bucks at a farm supply house. I got mine at Southern States. Have 130 foot inverted vee fed with ladder line up for about 10 years now.

David Fuller wrote:

>
> Anybody know the difference between copperweld antenna wire and normal
> welding wire.
> I caculate .045 in (17 ga) E70S6 copper coated welding wire at \$32.34
> for a 33lb spool and at 5.57 lb/1000ft comes out to .0054 cents/foot for
> a 5924 foot roll.
>
> A common source of 18 gage copperweld "antenna wire" is .037 cents/foot
> which comes out to \$219 for a 5924 ft roll?
>
> If the welding wire is the same stuff or if it would hold up as well it
> would be really cheap antenna wire. There must be a difference in
> copper thickness! Anyone know for sure??

>
> Even for temporary field antennas an 11lb spool of .023in (24ga) wire is
> only around \$7.50
>
> Hmmm really cheap portable antenna wire!
>
> TNX

Date: Mon, 10 Jun 2002 19:28:30 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [127959] Balanced feedline antenna tuner
Message-ID: <Pine.LNX.4.44.0206101926010.11473-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There is a kit out there somewhere that lets you build a antenna tuner for balanced line, and handles QRP power. I have forgotton both the name and URL for this device. Can someone help?

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 10 Jun 2002 21:26:45 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [127960] QRP QRV from Philmont Scout Ranch
Message-ID: <20020610.191806.7559.0.n5ib@juno.com>

One of our local scouters - Michael, KD5MLD - is off to Philmont for a couple of weeks. He's got my DSW-20, a wire dipole, an 8-cell alkaline AA battery pack, and a few feet of RG-174 feedline.

Look for him evenings, starting tomorrow (Tues) after 9 pm mountain time near 14051, code speed in the 10 - 12 wpm range.

I'll be listening for him from here in Baton Rouge. I'd appreciate a report should any of you work him.

72

Jim N5IB

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Date: Mon, 10 Jun 2002 21:33:20 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <dsimpson@darkwing.uoregon.edu>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [127961] Re: NiMH battery deal and the dreaded "rechargeable alkalines"

Message-ID: <005701c210e8\$041160a0\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, without getting into ALL the detail on rechargeable alkalines...

They are essentially just alkalines that can handle the pressure built up in recharging.

Yes, they have EXCELLENT shelf life, but they also have a much higher internal resistance than NiCad or other technologies.

You would have trouble running a lot of 5W rigs with AA cells that were of alkaline technology. Sure, 10 cells give you over 14v, but they just can't deliver the current that other technologies can.

The rechargeable alkalines have their place. For me it's in flashlights that get used once in a while, but they MUST work when I need them. Like in the car.

Yeah, it can be a pain keeping everything separate. But if want to push each technology to the max benefit, you have no choice.

Mike

----- Original Message -----

From: "Doug Simpson" <dsimpson@darkwing.uoregon.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, June 10, 2002 8:21 PM

Subject: Re: NiMH battery deal and the dreaded "rechargeable alkalines"

> In "defense" of rechargeable alkalines -- I'd heard they didn't measure
up
> since they don't charge up nearly as many times as NiMH, etc. and so
> discounted their value until....
>
> It was pointed out to me that the advantage of alkalines are they hold
> their charge for a long time -- so NiMH cells in the flashlight you keep
> in your car may be nearly dead in 6 months, but the rechargeable
alkalines
> would still have nearly a full charge.
>
> Where does this lead us? Your spare room, filled with powerstrips and a
> rack of chargers -- red and green lights all blinking merrily. "Let's
see,
> THIS unique battery goes in THAT unique charger there and has to be
> removed within 18 to 22 hours or Ka-BOOM!"
>
> -Doug Simpson, WA7SKY
> (in and around Eugene, OR)

Date: Mon, 10 Jun 2002 20:39:33 -0500
From: Dave Redfearn <n4elm@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127962] FS: 30 Meter Warbler Transceiver kit
Message-ID: <3D0554D5.6C8C06A@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

30 Meter Warbler PSK Transceiver kit

This is a 80 Warbler kit plus the parts to convert it to 30 Meters.
Original unopened packages and documentation.

Unbuilt.

I don't really remember what it cost so I'll ask for
\$50.00 OBO.

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 10 Jun 2002 20:42:05 -0500
From: Dave Redfearn <n4elm@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127963] FS: MFJ Cub 40M CW Transceiver
Message-ID: <3D05556D.402AEB08@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

MFJ Cub CW transceiver

40 Meters

Built and working well, has a BNC connector added.
No manual or box.

\$75.00 OBO + shipping

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 10 Jun 2002 21:01:54 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: <k5di@zianet.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127964] Re: Balanced feedline antenna tuner
Message-ID: <200206110205.VAA25433@zinc.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Mon, 10 Jun 2002 19:28:30 -0600 (MDT), Karl F. Larsen wrote:

>

> There is a kit out there somewhere that lets you build a= antenna

> tuner for balanced line, and handles QRP power. I have= forgotton

> both the name and URL for this device. Can someone help?

>

Emtech ZM-2.

Date: Mon, 10 Jun 2002 21:03:25 -0500

From: "Tim, N9PUZ" <n9puz@arrl.net>

To: <n5ib@juno.com>,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [127965] Re: QRP QRV from Philmont Scout Ranch

Message-ID: <200206110206.VAA25439@zinc.eosinc.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

On Mon, 10 Jun 2002 21:26:45 -0400 (EDT), n5ib@juno.com wrote:

> One of our local scouters - Michael, KD5MLD - is off to Philmont= for

> a couple of weeks. He's got my DSW-20, a wire dipole, an 8-cell

> alkaline AA battery pack, and a few feet of RG-174 feedline.

>

> Look for him evenings, starting tomorrow (Tues) after 9 pm= mountain

> time near 14051, code speed in the 10 - 12 wpm range.

He'll probably be too tired to set up the station for the first= couple of days!

Tim N9PUZ

Date: Mon, 10 Jun 2002 19:28:25 -0700

From: Dick Ballard <ballardr@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [127966] welding wire for antenna wire

Message-ID: <kunagu06uksfndlh1ts0tuuli2oo8vdns0i@4ax.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Some versions of welding wire have a very thin coat of copper on the surface - keeps the corrosion down during storage. But it's not enough to prevent corrosion in antenna conditions and does not add much to the conductivity.

Real copperweld for antennas has a lot more copper and only has the steel core for strength and stretch resistance.

Dick Ballard
Beaverton OR
W7AND

On Mon, 10 Jun 2002 10:22:00 -0600, you wrote:

>Anybody know the difference between copperweld antenna wire and normal
>welding wire.
>I caculate .045 in (17 ga) E70S6 copper coated welding wire at \$32.34
>for a 33lb spool and at 5.57 lb/1000ft comes out to .0054 cents/foot for
>a 5924 foot roll.
>
>A common source of 18 gage copperweld "antenna wire" is .037 cents/foot
>which comes out to \$219 for a 5924 ft roll?
>
>If the welding wire is the same stuff or if it would hold up as well it
>would be really cheap antenna wire. There must be a difference in
>copper thickness! Anyone know for sure??
>
>Even for temporary field antennas an 11lb spool of .023in (24ga) wire is
>only around \$7.50
>
>Hmmm really cheap portable antenna wire!
>
>TNX
>

Date: Mon, 10 Jun 2002 21:29:00 -0500
From: Dave Redfearn <n4elm@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127967] SOLD--FS: 30 Meter Warbler Transceiver kit
Message-ID: <3D05606C.1D884AED@attbi.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The 30 M Warbler kit is taken.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 10 Jun 2002 19:57:50 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127968] Mods...SMK-1
Message-ID: <018901c210f3\$c6a1b920\$ce811c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

does anybody still have any I could use? Got rid of all I had...Thanks
John...KF70M

Date: Mon, 10 Jun 2002 21:07:04 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>,
 QRP-Canada <qrp-canada@neale.gpfn.sk.ca>
Subject: [127969] Computer out!!
Message-ID: <Pine.LNX.4.33.0206102104530.31788-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone help Bob please?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
 A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
 - VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
 "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

----- Forwarded message -----

Date: Mon, 10 Jun 2002 20:24:58 -0400
From: Bob Scott <bobscott@sympatico.ca>
To: rattray@gpfn.sk.ca
Subject: Computer out!!

Hi Bruce, my computer was subjected to a power surge which literally toasted the whole 'she-bang'...completely lost all my e-mail addresses,etc,etc,etc.

I recently acquired the small Para Dynamics pwr/swr meter, model PDC1. The meter appears to be reading exceptionally low and I'm trying to find the instruction manual/schematic in order to check things out.

If anyone can provide a copy either by e-mail or snail-mail I'd be most happy to cover the costs.

If you can put this request on the net Bruce it would be a great help.

72, Bob VE3GND.

Date: Mon, 10 Jun 2002 20:08:56 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: johngabbard@usintouch.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127970] Re: Mods...SMK-1
Message-ID: <3D0569C8.2020001@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

johngabbard wrote:

>does anybody still have any I could use? Got rid of all I had...Thanks
>John...KF70M
>

I may be dense .. but what is it you want?

Phil

Date: Sat, 10 Jun 2000 22:32:36 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [127971] Re: Balanced feedline antenna tuner
Message-ID: <001801bfd355\$b0d08640\$93f5a7cc@malone-family>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Norcal club has the BLT kit (blt = balanced line tuner)
I think I read that Doug is on vacation though so it might take a bit to get one...

KD5KXF
Mike Malone
-----Original Message-----
From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, June 10, 2002 8:26 PM
Subject: Balanced feedline antenna tuner

>
> There is a kit out there somewhere that lets you build a antenna
> tuner for balanced line, and handles QRP power. I have forgotten both
> the name and URL for this device. Can someone help?
>
>--
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>
>

Date: Mon, 10 Jun 2002 21:09:20 -0700
From: Conrad Weiss <radman@best.com>
To: "'Mike Malone'" <mmalone@worldlogon.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [127972] RE: Balanced feedline antenna tuner (more BLT...)
Message-ID: <01C210C3.17B37820@209-162-49-18.thegrid.net>

Mike & all,

I'm told that Dennis Foster sells BLT kits also (as well as the Tee Nee Keys). And, he reportedly has a clever compact paddle for the FT-817, if you're looking to gear up for trail-side CW work. You can contact Dennis at <kk5py@neok.com>

I haven't talked w/ Dennis on this, so you'll need to get price & shipping from him. Alternatively, Doug Hendricks has BLT kits, but won't be able to ship 'til he returns from vacation, in about 8 weeks.

And option three would be a ZM-2 kit; now w/ the pre-drilled front panel... nice product :)!

Best,

Conrad Weiss
NN6CW

From: Mike Malone[SMTP:mmalone@worldlogon.com]
Sent: Saturday, June 10, 2000 8:33 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Balanced feedline antenna tuner

The Norcal club has the BLT kit (blt = balanced line tuner)
I think I read that Doug is on vacation though so it might take a bit to get one...

KD5KXF

Mike Malone

-----Original Message-----

From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, June 10, 2002 8:26 PM
Subject: Balanced feedline antenna tuner

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> the name and URL for this device. Can someone help?

>

>--

>Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

> <http://www.zianet.com/k5di/>

>

Date: Mon, 10 Jun 2002 23:13:27 -0500
From: "George, W5YR" <w5yr@att.net>
To: k5di@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127973] Re: Balanced feedline antenna tuner
Message-ID: <3D0578E7.750255D9@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl,

While there are advantages in some instances to a balanced tuner, one can often do just as well if not better with a t-section unbalanced tuner using a simple 1:1 current balun to transition from the balanced line to coax for the tuner. I operate three antennas this way, all on QRP for a couple of years now, with fairly decent results in the Fox Hunts, etc. Power loss, if any, is negligible.

For QRP, a small toroid can be used by just winding it full of turns with RG-174 coax - maybe a foot or so. Connect the shield and center conductor at one end to the balanced line and the shield and center conductor at the other end to the unbalanced tuner terminals, usually with a coax connector for convenience. This form of balun along with the W2DU bead balun is very tolerant of load conditions and its performance is unaffected by SWR on the feedline, etc. It works as a simple choke in the outer-braid circuit.

All the balun is there for is to block outer-braid current from the coax shield. It forces the current in the side of the balanced line connected to the braid to take the inside-braid path instead of dividing between inner and outer braid. Obviously, the shorter the coax run from balun to tuner, the less loss in the coax when a high SWR is present.

A simple W2DU bead balun can do this very efficiently or the coax/toroid format will work as well. Yet another variation is to make up a short section of twisted pair balanced line and wind it through a toroid for several turns and then connect the pair of wires at one end to the feedline and the other end to the tuner. More turns are required for lower frequencies. This is the 1:1 current balun used in the MFJ 989C tuner, for example.

The simple t-section tuner is easier to put together, has fewer parts, and for given values of inductor and capacitors will match a wider range of impedances with less loss than any other configuration. But mainly it is cheaper to make than the other types, especially for QRO levels. Typical component values are 28 uH for the variable inductor and 250 pf variable caps. Smaller values can be used for operation at 40 meters and above.

Those are the reasons that 99% of all commercial tuners these days are t-section tuners. And why we find virtually no balanced tuners being made and sold today, especially on the QRO market. I think that TenTec still makes a QRO L-section tuner . . .

The Z-match is very popular for QRP work in the form of the BLT tuner available from NorCal when Doug Hendricks is at home. I think that the Emtch (?) folks that make the ZM-2 tuner also make a balun suitable for QRP use. Or one can string 50 small ferrite beads over about 10 inches of coax and make a very effective balun for HF use. That is the type I use with my ladderline fed 20-meter Extended Double Zepps.

Good luck in the (hopefully) upcoming Summer Fox Hunt!

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Date: Mon, 10 Jun 2002 18:27:24 -0400
From: "Bruce Shaw" <ag4ny@ivwnet.com>
To: <Steve.Lawrence@ITWFEG.COM>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127974] Re: Vertical Radial Trenching Tool? B&D 'Edge Hog'
Message-ID: <000001c21107\$6a3e3460\$f1e4e243@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have one for edging and it seems to work fine. Tried it in the trenching mode it seems like it would work fine for burying radials. Even gave me a reasonably good trench in hard packed clay when I tried it. It does clog up if the soil is wet (clay types).

73

Bruce

ag4ny

Gibsonville NC

----- Original Message -----

From: Steve Lawrence <Steve.Lawrence@ITWFEG.COM>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, June 10, 2002 1:25 PM
Subject: Vertical Radial Trenching Tool? B&D 'Edge Hog'

> Interesting Black & Decker electric lawn edging tool in my local Lowes
> home warehouse store... box advertises the "Edge Hog" as having two modes:
> traditional lawn edger, and a lawn trenching tool. The pictures show a
> happy homeowner installing a lighting system burying the cables in small
> slit trenches cut by this tool.
>
> Naturally, I thought.... "buried radials for my planned vertical antenna".
>
> Anyone have experience with this power tool? Any good shortcuts to
> burying radials for a vertical antenna system?
>
> 73,
> Steve
> aa8af
>
>
>
>

Date: Mon, 10 Jun 2002 22:22:22 -0700
From: "Trung Q. Nguyen" <viethoc@dslextreame.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127975] FS: NorCal 20, OHR 100, Bencher BY-2
Message-ID: <3D05890E.C067C8DB@dslextreame.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear everyone:

I still have several items for sale. The price is indicated including shipping in 48 states or best offer. They are as follows:

1. NorCal 20m, \$95 shipped OBO
2. OHR100 20m, \$95 shipped OBO
3. Bencher BY-2, chrome in original box, \$85 shipped OBO.

Thank you for the bandwidth.

73,
Trung Nguyen, W6TN
Irvine, CA 92604

Date: Tue, 11 Jun 2002 02:15:48 -0400
From: BOB MASON <skydive@usa.net>
To: <qrp-1@Lehigh.EDU>
Subject: [127976] More Shack Cleaning
Message-ID: <20020611061548.22861.qmail@uwdvg020.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Here's the next round of stuff. Moving to new QTH, gotta cut down...

Yaesu FT-840 like new except for some scratches on top where other gear has been sitting. With 500HZ CW filter and wide AM filter (great for short wave listening. Power output adjustable to well below 5 Watts out. With manual. \$450 shipped to anywhere in USA.

Heath DX-100 Has most of the "B" mods, grid block keying, improved load control, someone added an internal antenna changeover relay that should be good for a couple billion watts (KLANGGGGGG!!!) \$150 and I'll meet you anywhere in a 150 mile radius of Boone NC. ... Ya might be able to make it go QRP.

Hallicrafters SX-43, partially refurbished, Fresh re-cap job, cleaned and aligned. \$150, same delivery arrangements as the DX-100 (buy em both make a great classic station.

72

Bob WB8CAC

<http://www.runswithscissors.us>

skydive@usa.net

Date: Mon, 10 Jun 2002 23:35:44 -0700
From: Conrad Weiss <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [127977] Copperweld & MIG wire demystified.... [longish]
Message-ID: <01C210D7.8ADC4660@209-162-49-18.thegrid.net>

Gangue,

The recent thread on Copperweld (tm) and MIG welding wire caught my attention. By chance, I've been researching bi-metallic wire products. I'll try to shed a bit o' light on these commonly misunderstood critters.

Copperweld (tm) is copper-clad steel or CSS wire, whereby a concentric copper cladding is continuously bonded to an inner core of alloy steel wire. The end result combines the low cost (and high tensile strength) of steel, AND the conductivity and corrosion resistance of copper. Typical applications are in the CATV industry for service drops, to bring the cable signal directly into your home, in the form of a strong center conductor in coaxial cable. Amateur radio folks use Copperweld(tm) for wire dipoles, beverage wires and loops; where long service life is desired.

How much copper is on the outer layer? The copper cladding thickness is a **constant** and measures 3% of the overall wire diameter. For example: 17 gauge (AWG) solid wire has a diameter of 0.0453", and a cladding thickness of 0.00136" - run the numbers and you'll get 3%. Now you can determine the cladding thickness of any AWG solid wire in Copperweld (tm). How thick is 0.00136"? Well, 1.35 mills is the diameter of an average human hair - it's thin! So there's a caution here - if you score thru the copper clad all the way 'round the wire, in the center of your 500 ft beverage antenna, you've just ruined your low DC resistance, and you've opened a "via" for rainwater to get at the steel core. Handle w/ care :)! Spec-wise, 17 AWG has a DC resistance of 24 ohms per 1000 ft, and a breaking strength of 212 pounds. Copperweld(tm) is **never** used for MIG welding, but due to the spelling, it's often mistaken for MIG wire.

OK, so what's MIG welding wire and how does it stack up? 'MIG' is welder slang for "metal inert gas welding; wire-fed, with a shield gas." It's easier to just say 'MIG wire' and MIG is pronounced as a word, "Mig"... just like the Russian airplane. MIG wire, unlike bare Copperweld(tm) wire is everywhere! It's cheap and available by the pallet on xBay and you can even buy it from Amazon.com. It's a fraction of the cost of Copperweld(tm), so it's appealing to hams, but let's look at the mechanical specs...

Copper-coated MIG wire is just that... a ferrous (steel) wire that's been plated with a thin coat of copper, and other elements, to increase its

wetting properties for welding - just as tin, lead and silver are 'tweaked' in wire solder for different soldering tasks. So, how thick is the copper coat? Perhaps 10-15 microns, or 10% of the human hair of copper clad on Copperweld(tm) wire. This explains why folks see "rusty" copper MIG wire; the copper is so thin that minor abrasion will easily cut thru the thin plating and attack the steel. A problem? Not for welders. They use the wire at such a fast pace it doesn't have time to rust - unless it's been stored improperly. Then it quickly develops surface rust.

Copper MIG wire probably doesn't offer the average ham much benefit over electric fence wire - there's just not enough copper on it. BUT there may be hope for hams! There are *many* different alloys of MIG wire that are non-ferrous. I would skip the aluminum alloys, but stainless MIG wire is very common and should be available in 14 or 15 AWG - might be interesting! I'll leave the DC resistance of 1000 ft of stainless #14 MIG to the EEs with too much time on their hands ;)

Summary: I've never owned enough rural land to entertain beverage antenna experiments that are measured in fractions of a nautical mile ;) But if any of you guys get a wild hair to put up a one mile loop of #14 stainless MIG wire - send me an email. I'd wager you'll do very well in the Fox Hunts :)!

73,

Conrad Weiss
NN6CW

Date: Tue, 11 Jun 2002 12:58:40 +0100
From: Majority Mike Capt 609 CPS/DOXE <mike.majority@SHAW.AF.MIL>
To: qrp-1@lehigh.edu
Subject: [127978] OT - Tropo Ducting In South Carolina
Message-ID: <6547FC33FE5ED411A99900D0B784809A03F735D2@SSC-MSSGXCHNG3>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Heard a different repeater on the freq this morning (2m FM) in Sumter , SC, at 0715-0730 Lcl time (1130Z), but couldn't pull the ID out. Local repeater keyed up fine (not on top of anyone's transmission). Tried the NWS stations and had lots of other stations on and over a normally strong station from Columbia, SC. Same for the normally quiet NWS freqs. Tried a few CQ's in 146.52 simplex, but no answers. Only had FM in the truck, wish the FT-290 or IC-706 and 2m beams had arrived by now with the household goods shipment!

Equipment - Yaesu FT-8100 with MFJ dual band mini antenna (21" long), mag mount on roof. Home some QRP VHFers can have some good luck this morning!

Will think of Joel KE1LA when I hit the swamps with the fishing pole this weekend!

Mike, N4VBV in South Carolina

Date: Tue, 11 Jun 2002 06:14:11 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: k5di@arrl.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [127979] Re: Balanced feedline antenna tuner
Message-ID: <Pine.LNX.4.44.0206110536260.1675-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi George, I think your right. I use a MFJ-945B which I measured with good accuracy last year. So long as the antenna impedance is not much below 50 ohms, the loss is under 10% even with the much malined 4:1 balun.

I have about completed the Dan's Small Parts QRP Mini Tuner which is a tee transformer identical to the MFJ except the variable caps are APC type and coils are all wound on toroid forms. A 12 position rotory switch, 2 nice BNC jacks with wire on them complete the kit which sells for \$16.95 I think. Dan's is at:

<http://www.fix.net/dans.html#TOC>

and he has all the stuff your looking for IF you build radios.

All three of your 1:1 baluns sound easy to make and must be low loss. I would like to wind one on a toroid with #20 magnet wire. If you have that in a book somewhere George I would like to see it. My "new" 1996 Radio Amatuer Handbook shows one but no details on number of turns or anything.

Since Doug Hendricks is gone on a summer vacation with his Vintage Airstream, I might as well just do what I can with what I have.

On Mon, 10 Jun 2002, George, W5YR wrote:

> Karl,

>

> While there are advantages in some instances to a balanced tuner, one can
> often do just as well if not better with a t-section unbalanced tuner using
> a simple 1:1 current balun to transition from the balanced line to coax for
> the tuner. I operate three antennas this way, all on QRP for a couple of
> years now, with fairly decent results in the Fox Hunts, etc. Power loss, if
> any, is negligible.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Tue, 11 Jun 2002 06:47:39 -0700
From: George Fremin III - K5TR <geoiiii@kkn.net>
To: Bruce Shaw <ag4ny@ivwnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [127980] Re: Vertical Radial Trenching Tool? B&D 'Edge Hog'
Message-ID: <20020611064739.J11321@loja.kkn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

>

> > Interesting Black & Decker electric lawn edging tool in my local Lowes
> > home warehouse store... box advertises the "Edge Hog" as having two modes:
> > traditional lawn edger, and a lawn trenching tool. The pictures show a
> > happy homeowner installing a lighting system burying the cables in small
> > slit trenches cut by this tool.

> >

> > Naturally, I thought.... "buried radials for my planned vertical antenna".
> >

> > Anyone have experience with this power tool? Any good shortcuts to
> > burying radials for a vertical antenna system?
> >

I once used a plain power edger to cut slits in a lawn. I then
pushed the wire in the slits - this worked well but it was a lot of
work shoving the wire into the slits and I think that cutting

tons of slits in the yard through the root system of the grass
did more damage and made it look worse than doing it this way:

Cut the grass short.

Lay the radials down on top of the grass and use nails
or spikes or large staples to hold the wire down as needed.

Let the grass grown - when cutting the grass keep it
cut tall for awhile - it willl not take long before the
grass will grow over the wires and they will diappear into the lawn.

--

George Fremin III - K5TR
geoiii@kkn.net
<http://www.kkn.net/~k5tr>

Date: Tue, 11 Jun 2002 07:48:12 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [127981] Now Showing - The ARS Sojourner
Message-ID: <20020611144812.83978.qmail@web12101.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The June edition of the Adventure Radio Society's monthly web magazine,
The ARS Sojourner, is a virtual reality and free for the clicking at:

<http://www.natworld.com/ars>

Here's a look at this month's content:

- + The Spartan Sprint Special 40m CW Transceiver, By Steve Kavanagh, VE3SMA
- + Arkansas Adventure: To the Top of Magazine Mountain, by David Bixler, W0CH
- + Melting Solder in The Kingdom of Bhutan, by Russ Carpenter, AA7QU
- + High Ambition in Illinois: To the top of Charles Mound, by Glen Hazen, N8WE
- + 25 miles of Beauty: QRV in Zion Back Country, by Dr, Bob Armstrong, N7XJ
- + Assault on Mt. Rogers: To the Top of Virginia, by Glen Hazen, N8WE

- + QRPing with Wolves, by Bruce Grubbs, N7CEE
- + Rocky Top TOW: To the top of Clingman's Dome, Tennessee, by Paul Valko, W8KC
- + From Our Vantage Point, The ARS Sojourner
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
- + Plus: Results and soapbox comments from the April, May and June Spartan Sprints, Wilderness Alerts, and news about upcoming events, including the July Spartan Sprint and the Flight of the Bumblebees.

On behalf of webmaster Russ Carpenter, AA7QU, The ARS Sojourner staff and contributing writers, we hope you enjoy the June edition. As always, we appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do You Yahoo!?
Yahoo! - Official partner of 2002 FIFA World Cup
<http://fifaworldcup.yahoo.com>

Date: Tue, 11 Jun 2002 11:20:39 -0400
From: Tim ORourke <TORourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [127982] Re: QRP QRV from Philmont Scout Ranch
Message-ID: <0514B74864ACD511934400508BBB5E3415F77C@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I was there 2 years ago with same set up, SW20 and Dipole. He will get some nice contacts, I worked a G0 amd D1 and lots of state side. Problem will be fires at Philmont. Some of reservation is shut down now probably more to come. Smoke is dense in some areas, not what u want at 7,000+ feet!. Our crews are getting ready to leave and may backout for this year. Hope he will be OK .
73 Tim KG4CHX

Date: Tue, 11 Jun 2002 10:22:26 -0500
From: wa0goz@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [127983] OT: Grid Squares
Message-ID: <3D0615B2.5BC0@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth, but I've searched all I can and can't find this.

Does any one know of a program that will let you keep track of the grid squares you've worked. I'm not looking for a logging program.

Thanks and 73

Henry WA0GOZ

Date: Tue, 11 Jun 2002 11:23:11 -0400
From: Tim ORourke <TORourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [127984] Re: Knightlites Field Day
Message-ID: <0514B74864ACD511934400508BBB5E3415F77D@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

This is a beautifull spot, our scout troop operates there for July VHF contests. May be we will join u, gud luck.
Tim KG4CHX

Date: Tue, 11 Jun 2002 09:34:43 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <wa0goz@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127985] Re: Grid Squares
Message-ID: <000701c2115d\$82ecc160\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Every thing you need and more at:

<http://www.arrl.org/locate/gridinfo.html>

73, Rod N0RC

----- Original Message -----

From: <wa0goz@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, June 11, 2002 9:22 AM

Subject: OT: Grid Squares

> Sorry for the bandwidth, but I've searched all I can and can't find
> this.

>

> Does any one know of a program that will let you keep track of the
> grid

> squares you've worked. I'm not looking for a logging program.

>

> Thanks and 73

>

> Henry WA0GOZ

>

Date: Tue, 11 Jun 2002 10:46:53 -0500

From: Dave Sjolín <sjolin@swbell.net>

To: wa0goz@arrl.net,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [127986] Re: Grid Squares

Message-ID: <006701c2115f\$363d5670\$c7dfd840@DaveSjolin>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

There are several programs on this list that would probably do what you want. Think from a VHF/UHF perspective. Those chasing the ARRL VUCC awards are going to use this software. 73 de Dave, N0IT

<http://www.newsvhf.com/vhf-soft.html>

----- Original Message -----

From: <wa0goz@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, June 11, 2002 10:22 AM
Subject: OT: Grid Squares

> Sorry for the bandwidth, but I've searched all I can and can't find
> this.
>
> Does any one know of a program that will let you keep track of the grid
> squares you've worked. I'm not looking for a logging program.
>
> Thanks and 73
>
> Henry WA0G0Z
>

Date: Tue, 11 Jun 2002 11:24:46 -0500
From: "Aartec" <aartec@dwx.com>
To: "qrp-1@Lehigh. EDU" <qrp-1@Lehigh.EDU>
Subject: [127987] Arkiecon Parts Vendor Comes To Iowa QRP Convention
Message-ID: <000001c21164\$8098e220\$31dececf@b6v6o9>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone who attended Arkiecon will remember Bill, K0CIY from El Dorado Kansas. He is the guy who had all the great bags of parts for \$1.00 each. He had things like: 2N3866s 5/\$1, 2N5179s 5/\$1, MRF901s 10/\$, MC1350s 10/\$1, mini-toggle switches 5/\$1, Ten-turn pots 2/\$1, molded chokes 10/\$1, mica capacitors \$10/\$1, and much more.

I recently received an e-mail from Bill saying that he plans to be at the Iowa QRP Convention in Sioux City this weekend. He will have about 5 tables worth of goodies to sell. I don't know what all he will be bringing but I assume (yes I know that is dangerous) that it will be similar to what he had at Arkiecon and I assume the prices will be about the same.

All the usual disclaimers apply. I have no connection with Bill's business, I'm just a satisfied Arkiecon customer who is looking forward to browsing his tables of goodies at the Iowa QRP Convention.

72
Jerry
W0PWE

Date: Tue, 11 Jun 2002 11:28:10 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: "qrp-1@Lehigh.edu" <qrp-1@Lehigh.edu>
Subject: [127988] Re: Balanced feedline antenna tuner
Message-ID: <3D06251A.42C892FD@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Karl F. Larsen" wrote:

>
> Hi George, I think your right. I use a MFJ-945B which I measured with
> good accuracy last year. So long as the antenna impedance is not much
> below 50 ohms, the loss is under 10% even with the much malined 4:1
> balun.

For a long time, MFJ used 4:1 voltage baluns on most or maybe all of their
tuners. Now, I understand that they have changed over to 1:1 current
baluns. The main reason, probably, is that they are cheaper to make since
they stress the core much less and have fewer windings.

>
> I have about completed the Dan's Small Parts QRP Mini Tuner which is a
> tee transformer identical to the MFJ except the variable caps are
> APC type and coils are all wound on toroid forms. A 12 position rotory
> switch, 2 nice BNC jacks with wire on them complete the kit which sells
> for \$16.95 I think. Dan's is at:

>
> <http://www.fix.net/dans.html#TOC>

>
> and he has all the stuff your looking for IF you build radios.

I have heard a lot of good things about Dan and his operation. That sounds
like a neat little tuner. I have a BLT kit on the list to be built along
with others . . .

>
> All three of your 1:1 baluns sound easy to make and must be low
> loss. I would like to wind one on a toroid with #20 magnet wire. If you
> have that in a book somewhere George I would like to see it. My "new"
> 1996 Radio Amatuer Handbook shows one but no details on number of turns

> or anything.

I don't have a reference for you but these baluns all amount to just a transmission line formed into a coil - with either an air or a ferrite core - to add inductance to the coax outer-braid circuit and thus raise its impedance and reduce common-mode current by diverting line current to the inside braid only.

You can use coax - of a size appropriate to the power level, so RG-174 is more than adequate for QRP - or make up a simple parallel line from hookup wire, or just wind the coax into a coil of several turns, the number depending upon the frequency involved - more turns for lower frequencies. This form of balun is commonly found at the feedpoint of Yagi antennas and only 6-8 turns is effective on most 20-10 meter tribanders. They will work on dipoles but can be a problem to suspend, etc.

For your core, you might just wind as many turns of RG-174 through it as you can. Or you could form a line by laying side-by-side two lengths of #20 insulated wire and then winding that through the core until it is full.

I just rechecked the MFJ 989C balun and it is wound with two #18 parallel wires around two large stacked cores about 2.5 - 3" in diameter. This is rated for 3 KW PEP but I suspect that rating is valid only under very restricted load and frequency conditions. So far, my 5 watts has not caused a noticeable heating of the cores! <:}

The idea is to form an inductance whose reactance is in the order of 10 times or more the Z_o of the line. A good current balun will have an impedance up around 500-1500 ohms depending upon the band. A simple coil of coax is quite effective.

Roy Lewallen who wrote the chapter on transmission lines, baluns, etc. in earlier editions of the Handbook (like yours) made a lot of tests and found that just winding the coax like you would wind up rope was more effective than winding it into a flat solenoid on a form such as a plastic jug.

The bead baluns do the same thing but additionally offer resistive loss which further reduces the current on the outer braid. The W2DU baluns are available at most balun dealers such as RadioWorks in either kit or finished product form. Or you can order the beads and make your own.

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Date: Tue, 11 Jun 2002 11:44:56 +0200
From: "Juanjo Pastor" <ec5aca@wanadoo.es>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [127989] DX "fox"
Message-ID: <000301c21166\$679130a0\$6e3e243e@fer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hello folks,

I see the fox season is gone and I don't know if there will be a 20 meter season. Anyway I volunteer as a DX "pseudo-fox". I will be on 21.055 +- QRM today (Wednesday) at 20:00 UTC (or Z, they're the same) and intend to do that way every monday and wednesday from now on. I am also available for skeds, but the antenna is the main limit in my station (and power, of course). I only have a GP 5/8 wave vertical for CB and no place for anything better but a multiband vertical and no money for a new one yet, so don't ask miracles with my setup... Did a couple of 2xQRP QSOs in 10 meters (no surprise, the antenna works fb there) with the states a year or so ago and quite a lot of stateside stations worked, mainly QRO, but now I would like to give 15 meters (or any other possible band) a try. Hope to hear you all soon.

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742,
QRP-L #1662.

Juanjo Pastor
C/San Roque, 4-1
46460 Silla
SPAIN

e-mail: ea5chq@wanadoo.es
Tel.: +034 96 120 17 67
Movil: 651 35 35 11

Date: Tue, 11 Jun 2002 13:02:36 -0400
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-l@Lehigh.EDU
Subject: [127990] FS: 2N5179s
Message-ID: <3D062D2C.4928C846@aeronix.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Everyone's favorite rf transistor, 10/\$5 25/\$10 shipped. Dan's has these for \$1.50 each.

72,
Craig NR4E
Melbourne, FL

Date: Tue, 11 Jun 2002 12:12:39 -0500
From: "Michael G. Heitmann" <mikeheit@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [127991] Re: QRP QRV from Philmont Scout Ranch
Message-ID: <3D062F87.CFB99895@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>One of our local scouters - Michael, KD5MLD - is off to Philmont for a
>couple of weeks. He's got my DSW-20, a wire dipole, an 8-cell alkaline AA
>battery pack, and a few feet of RG-174 feedline.

>Look for him evenings, starting tomorrow (Tues) after 9 pm mountain time
>near 14051, code speed in the 10 - 12 wpm range.

I'm jealous! I did the same thing in 1996 & 1998 (with a 49er),
then again in 2000 with an SST. Had much better success with
the SST. Didn't have nearly as much time to operate as I would
have liked, too many other things to do at Philmont.

Hope they have a nice trek despite the fires, and hope to work
him at least once.

73 de Mike, N0SO

Date: Tue, 11 Jun 2002 10:17:20 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [127992] UNBUILT SMK-1 KITS WANTED
Message-ID: <00bc01c2116b\$d8ee8b80\$05861c0c@juanita>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

thanks John...KF7OM

Date: Tue, 11 Jun 2002 15:15:25 -0500
From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [127993] Summer Fox Hunt
Message-ID: <000f01c21184\$b96ed940\$d3bf1d41@wi.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is there going to be a summer Fox hunt this year?

Glenn Butzlaff, WE9K

Date: Tue, 11 Jun 2002 13:55:27 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [127994] qrp tuner kit
Message-ID: <006a01c2118a\$515ec6c0\$26861c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any one have a ZM-2 kit for sale, before I order one? Thanks
john...72...KF7OM

Date: Tue, 11 Jun 2002 17:02:17 -0400
From: BOB MASON <skydive@usa.net>
To: <qrp-1@Lehigh.EDU>

Subject: [127995] FT-100D QRP ??
Message-ID: <20020611210217.8887.qmail@cmsweb26.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Anybody know what the power on a FT-100D can adjust down to (or does it ??)

Dumb question, I just can't seem to find it in the specs. (gotta get better glasses)

72
Bob WB8CAC
<http://www.runswithscissors.us>

Date: Tue, 11 Jun 2002 16:48:03 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [127996] Help! I need some back-up
Message-ID: <20020611.173939.-392677.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

My computer died, taking all my files with it, including my email address book. (Tell me again about backin' things up . . . just one more time otter do it!).

If anyone got one of my emails about going to Puerto Rico in February with my eldest, please send me a copy of the header so I can get the addresses of former shipmates.

I've already filled up two -- and am on my way to four -- Zip disks with data & stuff I need or think I need. From them I've made two CDs of stuff, not accounting for duplicates & overburden. So maybe next time someone suggests that I reinstall Windows and then follows that with a "we ought to reflash the bios with upgrades, just in case," I'll be all set to reinstall windows and shoot the person making the bios reflash suggestion.

Heck, I even lost my stupid little signature file!

And you don't want to know about how I had limited access to this email account to the computer that died and then was unable to re-import the account 'cause the computer in question wasn't askin' for the account to be re-imported again.

But I did find a nice speedy motha board at Roger's cheap. And the tech service guy at Juno fixed me up good to go again in just a few minutes of conversation.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- Linguist & Educational
Technologue

La Estancia de los Guajolotes Sonrientes -- W8IJN

<http://members.fortunecity.com/nilsbull> --

<http://w8ijn.tripod.com>

"The island is closer than your memories are." : Ian G. Bull Young -
24-02-2002

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End of QRP-L Digest 2583
